CECIMO

European Association of Manufacturing Technologies

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The European Association of Manufacturing Technologies

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CECIMO IN ONE PAGE

CECIMO represents

1500

industrial enterprises
in Europe (EU + UK +
EFTA + Turkey
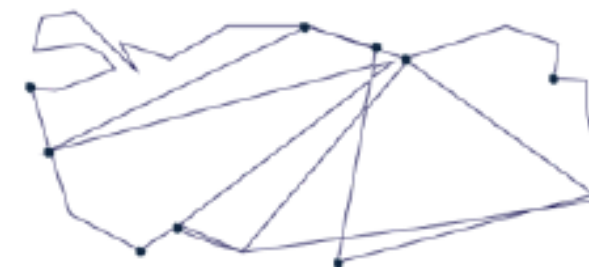
Over **80%**
of which are

SMEs

CECIMO covers
98% of the total
machine tool production
in Europe and about

34% worldwide

CECIMO accounts for more than
150.000
employees

15

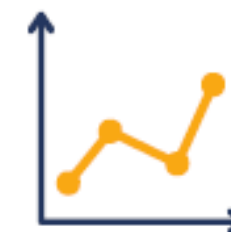national associations
of machine tool
builders

WHAT WE DO

CECIMO REPRESENTS

globally the common position of European Machine Tool Industries and related Manufacturing Technologies

CECIMO ADVOCATES

to contribute to a business environment that markets the most competitive manufacturing solutions worldwide.

CECIMO PROVIDES

a Market Intelligence Service: we gather, analyse and distribute statistical and economic data and reports.

CECIMO PROMOTES

our sectors through the EMO exhibitions, the world benchmark for Enabling Manufacturing Technologies .

CECIMO ENCOURAGES

research and innovation driven by the present and future needs of the market. CECIMO contributes to shaping EU research and innovation policies.

CECIMO WORKS ON

global standards to promote a single European market open to global competition, engaging in the European and International standardisation bodies.

CECIMO ADVOCATES

▶ We monitor the developments of interests at EU and global level

▶ We are also involved in the EU policy making from agenda setting and policy development to policy implementation.

Sustainability	Digital Single Market	Trade
Competitiveness	Internal Market	Skills

Digital Single Market

Europe is making an ambitious attempt to be the first political power to **regulate the digital realm** and establish a functioning Digital Single Market.

This will be a key tool to preserve European competitiveness through a strategy of:

- **Expansion** of the areas covered
- **Protection** from potential threats of the digital revolution

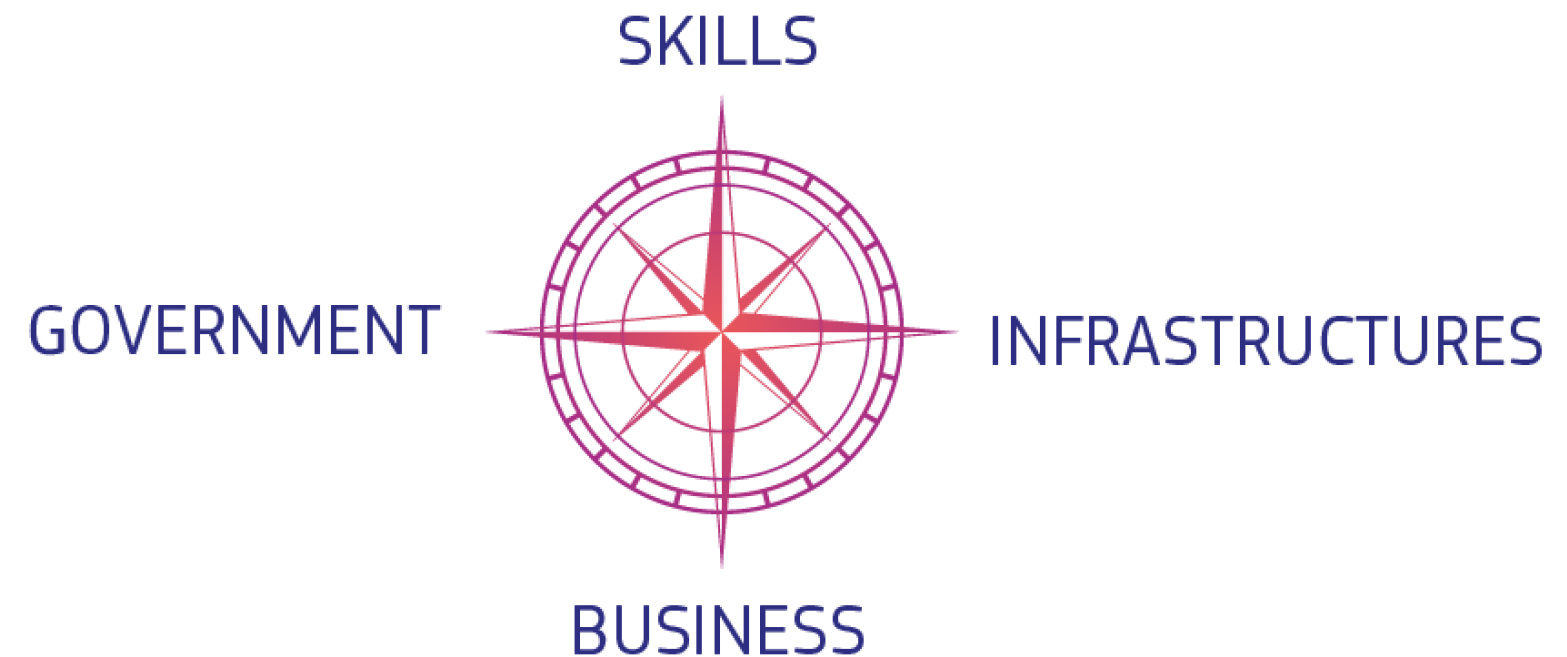The Digital Single Market is composed of 3 pillars:

1. **Better access** for consumers and businesses **to digital goods and services** across the EU
2. Creating the **right conditions and a level playing field** for digital networks and innovative services to flourish
3. **Maximising the growth potential** of the digital economy

Digital Decade: Road to 2030

The European Commission has set digital targets to be reached by 2030:

- Skills development for creating a pool of ICT specialists
- Digital transformation of businesses
- Secure and sustainable digital infrastructure
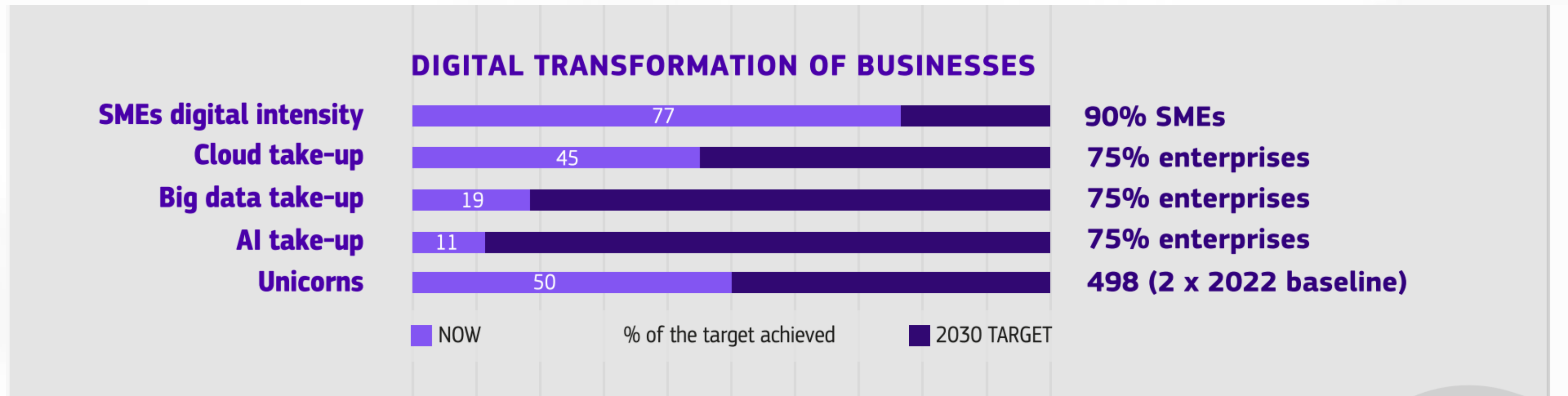- Digitalisation of public services

Digital Transformation of Businesses

Tech up-take: 75% of EU companies using Cloud, AI, or Big Data

Innovators: grow scale-ups & finance to double EU Unicorns

Late adopters: more than 90% of SMEs reach at least a basic level of digital intensity

DIGITAL TRANSFORMATION OF BUSINESSES

	NOW	2030 TARGET
SMEs digital intensity	77	90% SMEs
Cloud take-up	45	75% enterprises
Big data take-up	19	75% enterprises
AI take-up	11	75% enterprises
Unicorns	50	498 (2 x 2022 baseline)

NOW   % of the target achieved   2030 TARGET

Portuguese EDIHs focused on manufacturing, metalworking, and industrial production:

PRODUTECH DIH, CONNECT5, AzoresDIH, DIH4GlobalAutomotive

EDIHs Catalogue

Cybersecurity

Relevant upcoming legislation:

Cyber Resilience Act

CECIMO recommends always verifying the cybersecurity level of all economic actors involved in data-sharing practices and paying attention to the following aspects:

- Conduct an **inventory of all the entities that have access to the company's data**, networks, or systems.
- Develop a strategy for **continuous monitoring** of network security and data management, if possible, agreed with business partners.
- Organise **periodic training sessions for the workforce**, especially focusing on common threats such as password management, phishing scams, and others.
- Developing **cyber hygiene guidelines**, **sector-specific checklists**, and training material aimed at installing good habits in the workforce and reducing the number of incidents.

Cybersecurity – Cyber Threats

Vulnerabilities	Cyber Threat	Cyber Risk
Data sharing via USB drives	Malware	Data leakage and system corruption
Insecure office IT environment	Malicious software intrusion	Impairing production machines
Outdated operating systems	Ransomware infestation	System corruption and corrupted storage devices on machine controllers
Incorrect operations due to the lack of basic training	Blackmail trojans or other phishing techniques (e.g., SQL injection)	Data loss, legal implications
Uncontrolled use of cellular devices for installation monitoring	DNS poisoning (or spoofing)	Operations or production impairment

Please note that this table is not exhaustive, it is aimed at highlighting the most common cyber threats and risks.

Artificial Intelligence for Machine Tools

Benefits:

- Quality control

- Optimisation of machining parameters

- Autonomous machining

- Supply chain optimisation

- Improved human-robot collaboration:

Challenges:

- Data quality

- Complexity

- Cost

- Technical Expertise

- Security

Legislation

Artificial Intelligence Act

Data Act

- Considered the GDPR for businesses

- It aims to unlock the potential of the data economy

- Facilitate data-sharing practices while safeguarding trade secrets

- Redistribute the value created by co-generated data among the value chain

- Possibility for governments to access data in case of public emergencies.

GET IN TOUCH

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